

*** Artificial snow**

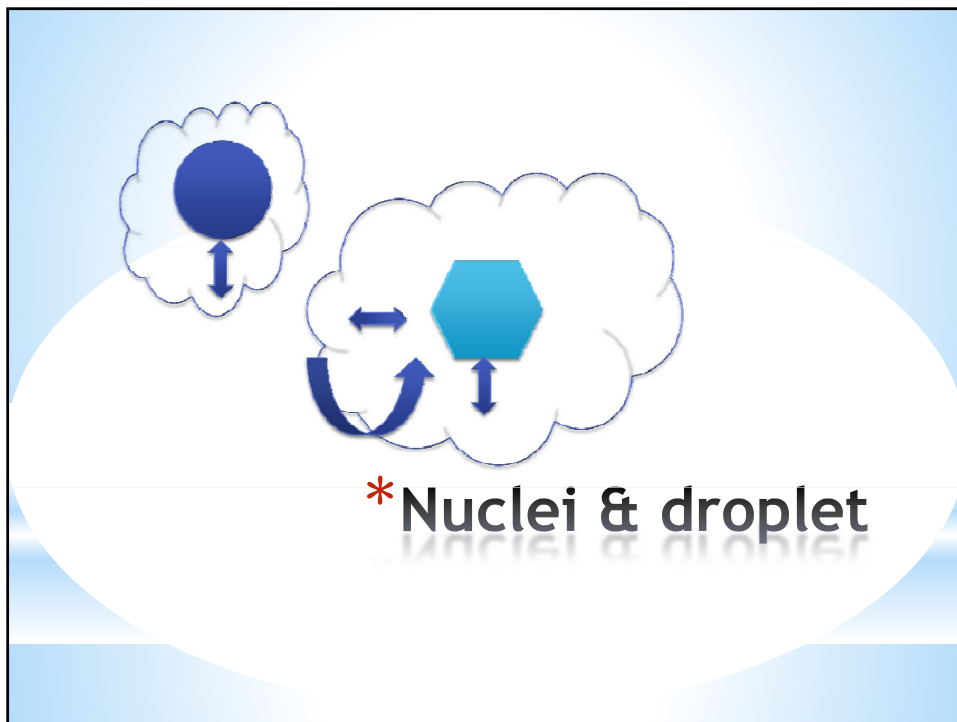
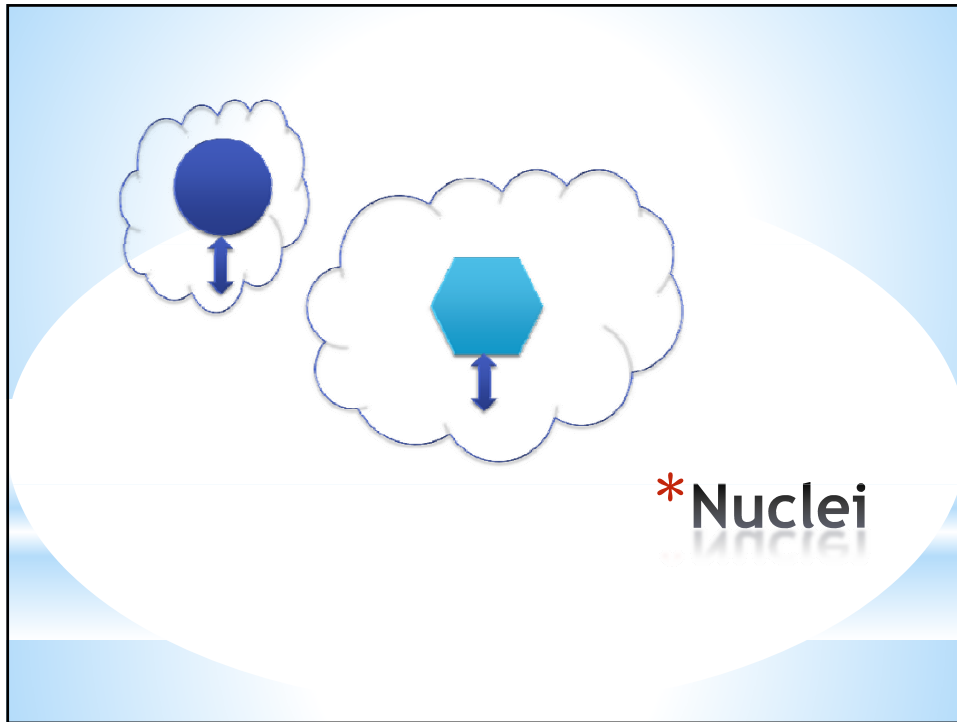
Dendrite Generator

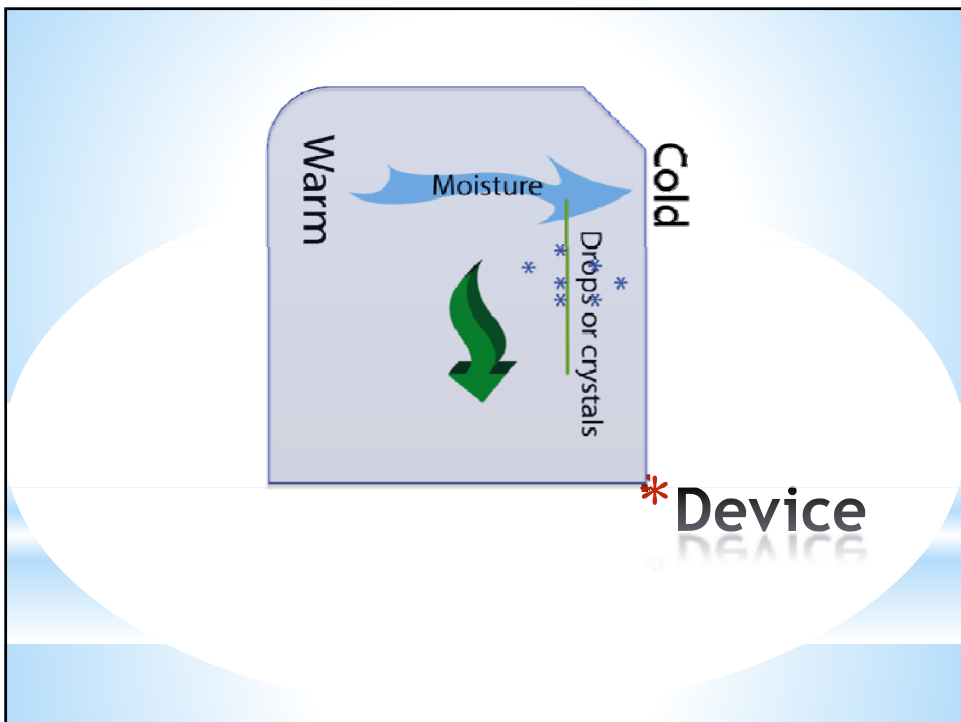
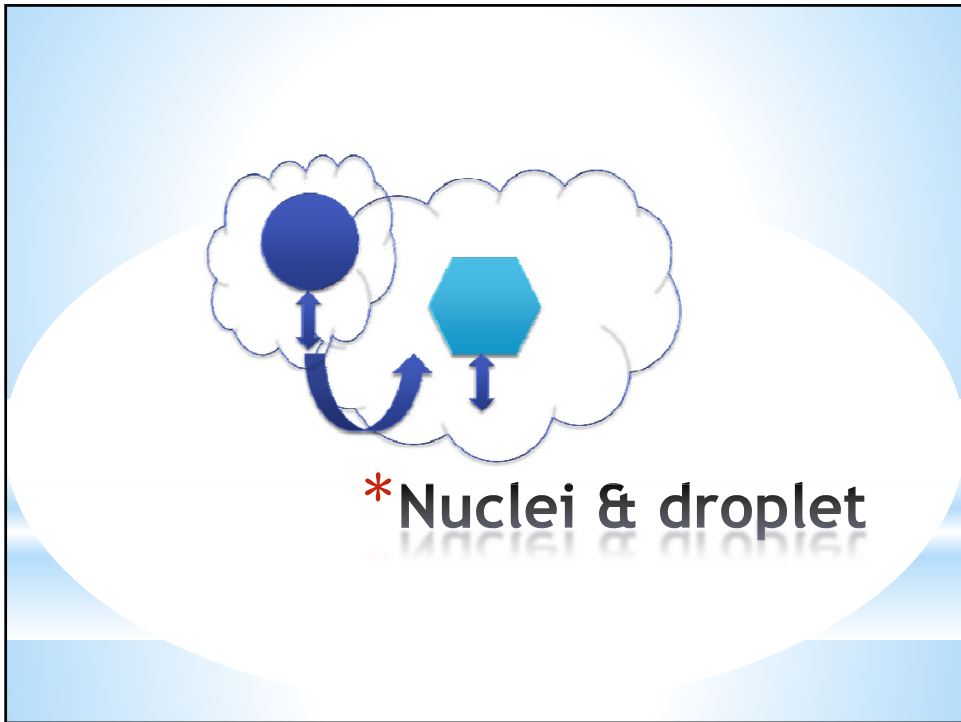
* Fred Best, Technical Director,
Energy International Systems Ltd

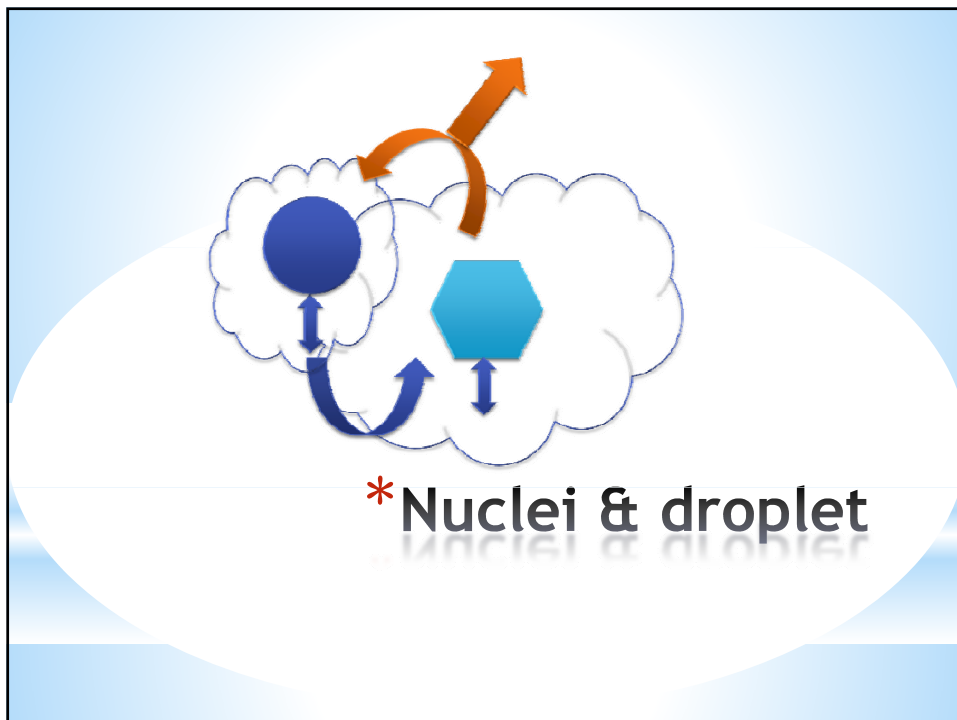
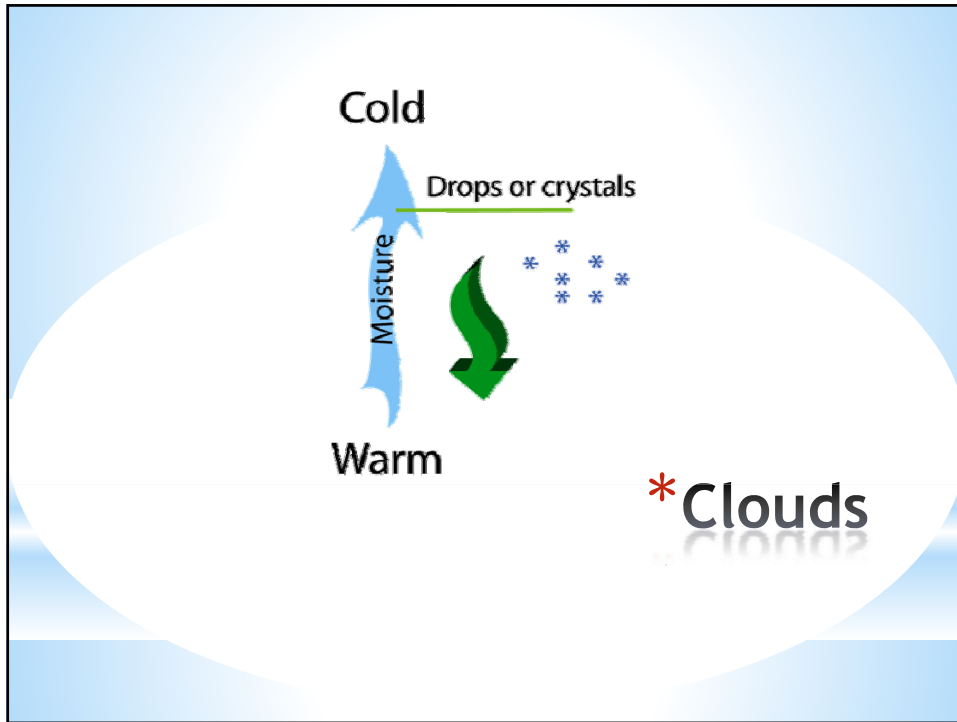


*** Technical Concept**

- * 1. Low manufacturing cost.
- * 2. Low running cost.
- * 3. “Environmentally more friendly” than conventional Snow Cannons.
- * 4. I have been asked to a short review about the project so far.
- * 5. If there is time at the end I would like to answer any of your questions.

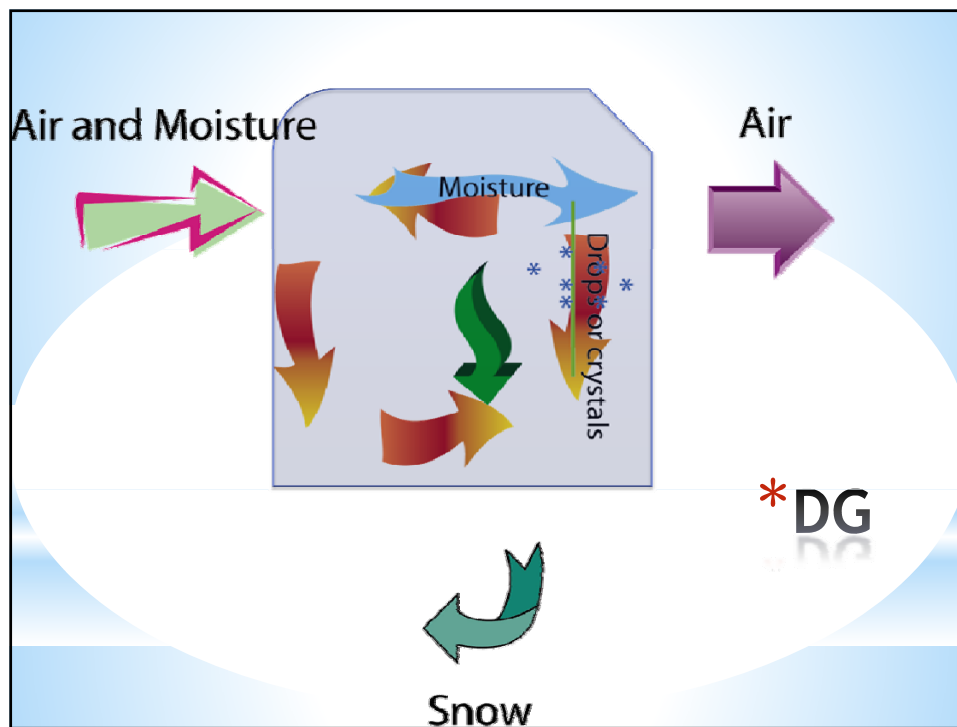






- * Formation of ice nucleus
- * Continuous supply of moisture
- * Continuous extraction of heat
- * Keeping the crystals airborne
- * The conditions of crystals growth (temperature, humidity)

* Consideration



*The Container

Unlike conventional snow cannons, that try to use the open sky to help to make their devices work; we are trying to make natural snow and control the environment by doing most, if not everything, inside a device.

We call the main part of our device the container or chamber but each container can have multiple chambers within it.



*The Container cont' d

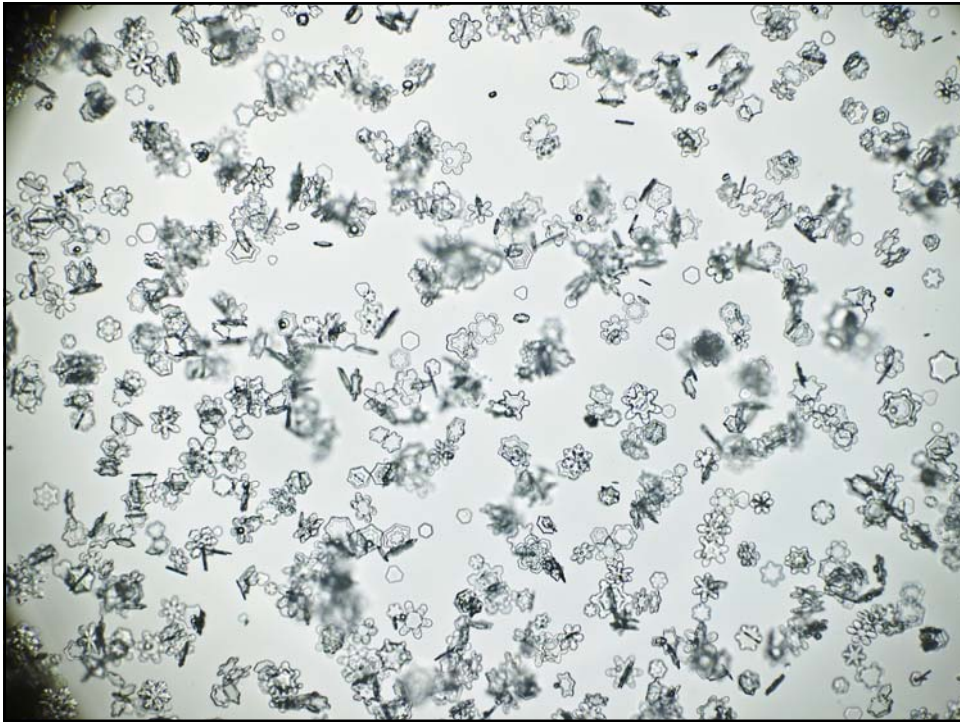
The original prototype No 1, conical in shape, enabled us to make our first batch of snow and this is when we knew we were on to something very special.

In order to try and control the number of variables to an acceptable minimum a larger cylindrical chamber, heavily insulated, was made for use in the warm lab.

From this we progressed to No 3 & now 4. So far we have been successful with all of our planned “upgrades” .







* Optimization

Because we are controlling the environment within the chamber we are looking to use the natural snow making processes and give them time to work.

So far we have been very successful and have made lots of superb snow in our smaller chambers, where our knowledge of the control mechanisms is increasing daily.


We are now moving to a size of device that can be placed outside for optimization tests before moving to a full size device ready for pre-production trials.



* Artificial natural snow?

Dendrite Generator

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Thank you for your attention.

Are there any questions.

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